



Missouri

Crop & Livestock Reporter

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Missouri Wheat Production Up 4 Percent

Winter wheat production in Missouri is forecast at 60.5 million bushels, based on conditions as of June 1, 2008, up 4 percent from the May 1 forecast. This would be 60 percent above the 2007 crop and 23 percent above 2 years ago. Estimated acreage for harvest, at 1.12 million acres, is unchanged from May 1 and 240,000 acres more than the 880,000 acres harvested in 2007. As of June 1, the average yield is forecast at 54.0 bushels per acre, up 2 bushels from last month and 11.0 bushels per acre over last year's average. "Disease problems could appear in some areas as a result of excess moisture but at this point producers are still expecting excellent yields," said Gene Danekas, Director, Missouri Agricultural Statistics.

U.S. Winter Wheat Production Up 17 Percent

Winter wheat production is forecast at 1.82 billion bushels, up 2 percent from the May 1 forecast and 20 percent above 2007. Based on June 1 conditions, the U.S. yield is forecast at 45.3 bushels per acre, up 1.0 bushel from last month and 3.1 bushels more than last

year. Grain area totals 40.2 million acres, unchanged from May 1.

Hard Red production is up 2 percent from a month ago to 1.03 billion bushels. **Soft Red** is up 4 percent from last month and now totals 572 million bushels. **White** production totals 216 million bushels, up slightly from last month. Of the White production total, 23.2 million bushels are Hard White and 193 million bushels are Soft White.

Wheat: Production by Class, United States, 2006-2007 and Forecasted June 1, 2008 ^{1/}

| Year | Hard Red | Soft Red | Hard White | Soft White | All White |
|----------------------|-----------|----------|------------|------------|-----------|
| <i>1,000 Bushels</i> | | | | | |
| 2006 | 682,079 | 390,165 | 13,284 | 212,553 | 225,837 |
| 2007 | 961,588 | 357,897 | 21,460 | 175,044 | 196,504 |
| 2008 | 1,029,523 | 571,627 | 23,212 | 193,002 | 216,214 |

^{1/} Wheat class estimates are based on the latest available data including both survey and administrative data. The previous end-of-season class percentages are used throughout the forecast season for States that do not have survey or administrative data available.

Missouri Wheat Production And Yield By District

| Area | Acres Planted | | Acres Harvested | | Yield | | Production | |
|--------------|-------------------------|--------------|-------------------------|--------------|---------------------------|-----------|---------------------------|---------------|
| | 2007 | 2008 | 2007 | 2008* | 2007 | 2008* | 2007 | 2008* |
| | <i>-thousand acres-</i> | | <i>-thousand acres-</i> | | <i>-bushels per acre-</i> | | <i>-thousand bushels-</i> | |
| NW | 65 | 70 | 50 | 64 | 40.0 | 48 | 2,000 | 3,040 |
| NC | 95 | 100 | 83 | 96 | 51.1 | 57 | 4,240 | 5,470 |
| NE | 133 | 140 | 124 | 129 | 57.0 | 56 | 7,070 | 7,200 |
| WC | 150 | 170 | 125 | 167 | 38.0 | 42 | 4,750 | 7,050 |
| C | 134 | 140 | 111 | 127 | 45.5 | 55 | 5,050 | 6,960 |
| EC | 77 | 80 | 66 | 70 | 44.1 | 55 | 2,910 | 3,870 |
| SW | 130 | 150 | 104 | 142 | 28.7 | 56 | 2,980 | 7,960 |
| SC | 11 | 15 | 7 | 14 | 30.0 | 49 | 210 | 680 |
| SE | 255 | 335 | 210 | 311 | 41.1 | 59 | 8,630 | 18,250 |
| STATE | 1,050 | 1,200 | 880 | 1,120 | 43.0 | 54 | 37,840 | 60,480 |

* June 1 Forecast

The complete NASS Report can be accessed at:
<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1046>

Agricultural Chemical Usage 2007 Field Crops Summary

Cotton Highlights: Nitrogen was applied to 92 percent of the 2007 cotton planted acreage in the 11 Program States: Alabama, Arkansas, California, Georgia, Louisiana, Mississippi, **Missouri**, North Carolina, South Carolina, Tennessee, and Texas. Cotton growers applied an average of 91 pounds of nitrogen per acre per crop year. Phosphate was applied to 67 percent of the cotton planted acreage in the Program States at an average rate of 43 pounds per acre per crop year. Potash, applied at 70 pounds per acre per crop year, was applied to 52 percent of the acreage planted to cotton. Sulfur was applied to 42 percent of the planted acreage, at an average rate of 13 pounds per acre per crop year.

Herbicides were applied to 97 percent of the Program States' cotton planted acreage in 2007. Glyphosate isopropylamine salt was the most commonly applied herbicide, applied to 85 percent of the planted acreage at a rate of 1.900 pounds per acre per crop year. The next two most commonly applied herbicides on a per acre basis were Trifluralin and Diuron, at 29 and 26 percent with average application rates of 0.921 and 0.499 pounds per acre per crop year, respectively.

Insecticides were applied to 66 percent of the 2007 cotton acreage. Acephate was the most utilized insecticide with 26 percent of the planted acreage being treated at an average rate of 0.900 pounds per acre per crop year. Dicrotophos was the second most commonly utilized insecticide, applied to 21 percent of acreage. It was applied at an average rate of 0.565 pounds per acre per crop year.

Fungicides were applied to 1 percent of the planted acres in the Program States. Etridiazole and PCNB were both applied to 1 percent of the acres planted to cotton. They were applied at an average rate of 0.146 and 0.635 pounds per acre per crop year, respectively.

Other Chemicals were used to treat 85 percent of the cotton acreage. Ethephon was the most commonly applied Other Chemical covering 69 percent of the acreage; followed by Thidiazuron, applied to 37 percent of the acreage; and Mepiquat chloride, applied to 35 percent of the acreage. They were applied at 1.259, 0.073, and 0.058 pounds per acre per year, respectively.

All Cotton: Agricultural Chemical Application, Missouri 2007 ^{1/}

| Active Ingredient | Area Applied | Applications | Rate per Application | Rate per Crop Year | Total Applied |
|----------------------|--------------|--------------|----------------------|--------------------|---------------|
| | Percent | Number | Pounds per Acre | | 1,000 lbs. |
| Herbicides | | | | | |
| 2,4-D, 2-EHE | 5 | 1.0 | 0.787 | 0.787 | 14 |
| Carfentrazone-ethyl | 8 | 1.5 | 0.009 | 0.013 | (2/) |
| Dicamba, digly. salt | 11 | 1.0 | 0.295 | 0.295 | 13 |
| Dicamba, sodium salt | 7 | 1.0 | 0.163 | 0.163 | 4 |
| Diuron | 17 | 1.3 | 0.427 | 0.564 | 36 |
| Flumioxazin | 6 | 1.0 | 0.064 | 0.064 | 1 |
| Fluometuron | 5 | 1.0 | 0.371 | 0.371 | 7 |
| Glyphosate | 9 | 1.7 | 0.985 | 1.651 | 58 |
| Glyphosate iso. salt | 95 | 2.7 | 0.811 | 2.218 | 804 |
| Pendimethalin | 9 | 1.0 | 0.729 | 0.729 | 26 |
| Pyrithiobac-sodium | 6 | 1.1 | 0.03 | 0.034 | 1 |
| Insecticides | | | | | |
| Acephate | 53 | 2.0 | 0.38 | 0.767 | 156 |
| Aldicarb | 17 | 1.1 | 0.665 | 0.702 | 46 |
| Bifenthrin | 15 | 1.8 | 0.081 | 0.145 | 8 |
| Cyfluthrin | 9 | 1.1 | 0.033 | 0.037 | 1 |
| Cypermethrin | 15 | 1.0 | 0.028 | 0.028 | 2 |
| Dicrotophos | 19 | 1.3 | 0.295 | 0.385 | 27 |
| Imidacloprid | 31 | 1.8 | 0.041 | 0.074 | 9 |
| Thiamethoxam | 14 | 1.1 | 0.022 | 0.025 | 1 |
| Other Chemicals | | | | | |
| Ethephon | 94 | 1.3 | 1.348 | 1.701 | 608 |
| Mepiquat chloride | 59 | 2.2 | 0.033 | 0.072 | 16 |
| Paraquat | 7 | 1.0 | 0.16 | 0.16 | 4 |
| Thidiazuron | 73 | 1.1 | 0.065 | 0.074 | 21 |
| Tribufos | 50 | 1.2 | 0.71 | 0.876 | 168 |

1/ Planted acreage in 2007 for Missouri was 380,000 acres.

2/ Total applied is less than 500 lbs.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1560>

April Milk Production

| State | Milk Cows ^{1/} | | Milk Per Cows ^{2/} | | Milk Production ^{2/} | |
|-----------|-------------------------|------------|-----------------------------|--------------|-------------------------------|------------|
| | 2007 | 2008 | 2007 | 2008 | 2007 | 2008 |
| | 1000 Head | | Pounds | | Million Pounds | |
| IL | 103 | 102 | 1,645 | 1,615 | 169 | 165 |
| IA | 211 | 216 | 1,710 | 1,670 | 361 | 361 |
| MO | 114 | 111 | 1,395 | 1,325 | 159 | 147 |
| 23-State | 8,292 | 8,444 | 1,745 | 1,757 | 14,470 | 14,833 |

1/ Includes dry cows, excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1103>

U.S. Dairy Production by Product, Apr 2008

| Product | Apr 2008 | Change From | |
|--------------------------|---------------|-------------|----------|
| | | Apr 2007 | Mar 2008 |
| | 1,000 Pounds | Percent | |
| Butter | 152,747 | 14.8 | 0.5 |
| Cheese | | | |
| American Types | 337,041 | 3.4 | -0.6 |
| Total | 814,716 | 1.4 | -2.4 |
| | 1,000 Gallons | Percent | |
| Frozen Products | | | |
| Ice Cream, Hard | 74,796 | -8.1 | -1.3 |
| Ice Cream, Lowfat, Total | 36,780 | 5.1 | 9.7 |
| Ice Cream, Nonfat, Hard | 1,173 | -14.7 | -5.4 |
| Sherbet, Hard | 5,724 | -6.4 | 1.6 |
| Frozen Yogurt, Total | 6,229 | 6.2 | 6.4 |
| | 1,000 Pounds | Percent | |
| Dry Whey Products | | | |
| Dry Whey, Human | 91,675 | -0.1 | -0.7 |
| Dry Whey, Animal | 5,287 | 5.5 | -6.1 |
| Dry Whey, Total | 96,962 | 0.2 | -1.0 |

1/ Includes Cheddar, Colby, Monterey and Jack.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1052>

Chicks Hatched by Commercial Hatcheries

| Item | April | | Jan – Apr | |
|-------------------------|---------|---------|-----------|-----------|
| | 2007 | 2008 | 2007 | 2008 |
| | 1,000 | | | |
| Broiler-Type | | | | |
| 19 States ^{1/} | 775,727 | 772,871 | 3,038,258 | 3,123,534 |
| U.S. | 799,293 | 797,481 | 3,126,788 | 3,223,443 |
| Egg-Type | | | | |
| U.S. | 39,254 | 41,051 | 150,749 | 158,314 |

1/ States in the weekly hatchery production estimating program.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1028>

Average Prices Received by Farmers ^{1/}

| Commodity | Unit | Missouri | | | U.S. |
|-----------|------|-----------|----------|------------------------|------------------------|
| | | May 2007* | Apr 2008 | May 2008 ^{2/} | May 2008 ^{2/} |
| | | Dollars | | | |

CROPS

| | | | | | |
|--------------|-----|------|-------|-------|-------|
| Winter Wheat | Bu | 4.37 | 8.68 | 7.00 | 7.76 |
| Corn | Bu | 3.62 | 5.12 | 5.20 | 5.12 |
| Soybeans | Bu | 7.16 | 12.50 | 12.70 | 12.30 |
| Sorghum | Cwt | 5.86 | 9.30 | 8.90 | 9.18 |

BALED HAY ^{2/}

| | | | | | |
|---------|-----|--------|--------|--------|--------|
| All Hay | Ton | 108.00 | 115.00 | 114.00 | 166.00 |
| Alfalfa | Ton | 150.00 | 160.00 | 150.00 | 177.00 |
| Other | Ton | 85.00 | 95.00 | 95.00 | 134.00 |

ALL BEEF

| | | | | | |
|----------------------|-----|--------|--------|--------|--------|
| Cows ^{3/} | Cwt | 51.60 | 49.40 | 52.50 | 53.10 |
| Steers & Heifers | Cwt | 109.00 | 98.10 | 102.00 | 95.40 |
| Cattle ^{4/} | Cwt | 94.70 | 86.40 | 89.60 | 90.50 |
| Calves | Cwt | 123.00 | 110.00 | 115.00 | 116.00 |

ALL HOGS

| | | | | | |
|---------------------------|-----|-------|-------|-------|-------|
| Sows | Cwt | 34.00 | 14.20 | 20.60 | 23.00 |
| Barrows & Gilts | Cwt | 49.20 | 40.20 | 53.00 | 55.50 |
| All Hogs | Cwt | 48.30 | 38.40 | 51.10 | 54.10 |
| Market Eggs ^{2/} | Doz | 0.580 | 0.810 | 0.660 | 0.698 |

MILK

| | | | | | |
|---------------------------|-----|-------|-------|-------|-------|
| Fluid Grade ^{5/} | Cwt | 18.00 | 18.70 | | 18.20 |
| Mfg Grade ^{5/} | Cwt | 17.00 | 16.00 | | 18.50 |
| All Milk ^{5/} | Cwt | 18.00 | 18.60 | 18.10 | 18.20 |

| | | | | | |
|-------------------------------------|--|-------|------|------|-------|
| HOG/CORN Ratio ^{6/} | | 13.34 | 7.50 | 9.83 | 10.57 |
|-------------------------------------|--|-------|------|------|-------|

1/ Prices received represent the average of all grades or classes at point of first sale and should not be confused with market quotations of specific grades or classes.

2/ Mid-month prices.

3/ Beef cows and cull dairy cows sold for slaughter.

4/ "Cows" and "Steers & Heifers" combined.

5/ Missouri April fat test %: all milk 3.56, fluid grade 3.64, mfg grade 3.80.

U.S. May fat test %: all milk 3.62, fluid grade 3.61, mfg grade 3.90.

6/ "All Hogs" divided by "Corn" prices.

* Revised.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1002>

April 2008 Egg Production

| State | Number of Layers on Hand ^{1/} | Eggs per 100 for All Layers ^{1/} | Total Production |
|-----------|--|---|---------------------|
| | <i>1,000</i> | <i>Number</i> | <i>Million Eggs</i> |
| AR | 13,894 | 1,893 | 263 |
| IL | 5,393 | 2,169 | 117 |
| IA | 53,727 | 2,196 | 1,180 |
| MO | 6,911 | 2,286 | 158 |
| NE | 9,741 | 2,341 | 228 |
| U.S. | 341,159 | 2,164 | 7,384 |

1/ Includes all layers and eggs produced in both table egg and hatching egg flocks regardless of size.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1028>

Hired Workers Down 7 Percent, Wage Rates up 4 Percent From a Year Ago

There were 919,000 hired workers on the Nation's farms and ranches during the week of April 6-12, 2008, down 7 percent from a year ago. Of these hired workers, 700,000 workers were hired directly by farm operators. Agricultural service employees on farms and ranches made up the remaining 219,000 workers.

Farm operators paid their hired workers an average wage of \$10.60 per hour during the April 2008 reference week, up 40 cents from a year earlier. Field workers received an average of \$9.65 per hour, up 30 cents from last April, while livestock workers earned \$10.32 per hour compared with \$9.59 a year earlier. The field and livestock worker combined wage rate, at \$9.87 per hour, was up 45 cents from last year.

Farm Labor: Employment and Wage Rates, Cornbelt II Region (Missouri and Iowa) April 2008, with Comparisons ^{1/}

| Item | April 6-12, 2008 ^{1/} | January 6-12, 2008 ^{1/} | April 8-14, 2007 ^{1/} |
|---------------------------------------|--------------------------------------|--|--------------------------------------|
| Farm Employment | <i>-Thousands-</i> | | |
| Hired Workers | 21 | 27 | 21 |
| Hours per Week | 38.2 | 36.8 | 38.8 |
| Farm Wage Rates | <i>-Dollars-</i> | | |
| Field Workers | 10.65 | 11.38 | 9.60 |
| Livestock Workers | 12.20 | 10.82 | 10.46 |
| Field & Livestock Workers Combined | 11.50 | 10.90 | 10.00 |
| All Hired Workers | 11.88 | 11.42 | 10.63 |

^{1/} Excludes Agricultural Service Workers.

The complete NASS Report can be accessed at:

<http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1063>

Look for these reports at: <http://www.nass.usda.gov/Publications/index.asp>

Cattle on Feed – June 20

Livestock Slaughter – June 20

Quarterly Hogs and Pigs – June 27

Acreage – June 30

Crop Production – July 11